

CLAIM AMENDMENTS

1-8 (Canceled)

9. (New) A combined gas and electrostatic filter construction, which includes  
first electrodes,  
second electrodes, which are electrically insulated from  
the first electrodes, and  
an insulating material acting as a particle filter, which  
is located between the first and the second electrodes,  
whereby

a difference in electrical potential between the  
electrodes can be created, in order to create an electrical  
field between the electrodes, characterized in that

the material of at least one of the electrodes is a  
material, such as activated carbon, which is permeable to air  
and which filters gases, and which has a low electrical  
conductivity,

both electrodes are set substantially parallel to the  
direction of the airflow, and

the gas filtering electrode is shaped to form a bag.

10. (New) An electrostatic filter construction according  
to claim 9, characterized in that one electrode with low  
electrical conductivity is constructed like a bag and particle  
filtering is arranged inside it with the aid of the filter  
material and the electrodes.

11. (New) An electrostatic filter construction according  
to claim 9, characterized in that one of the electrodes has  
low electrical conductivity and the other is electrically  
conductive.

12. (New) An electrostatic filter construction according  
to claim 9, characterized in that one of the electrodes is  
connected to an earth potential and the other to a higher  
potential.

13. (New) An electrostatic filter construction according to claim 9, characterized in that one of the electrodes is allowed to float and the other is connected to an earth potential.

14. (New) An electrostatic filter construction according to claim 9, characterized in that the electrodes are arranged in such a way that at least most of the airflow is arranged to travel through the bag-like electrode.

15. (New) An electrostatic filter construction according to claim 9, characterized in that a charging section, which charges the particles to be filtered, is arranged before the filter in the path of the air flow.

16. (New) An electrostatic filter construction according to claim 9, characterized in that the filter material is arranged to be changeable.